

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
 Data File : VW003864.D
 Acq On : 11 Jul 2018 10:24
 Operator : SY/AP
 Sample : J3828-05
 Misc : 5.80G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-071018-C

Quant Time: Jul 11 11:17:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	166586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	290214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	253045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	92211	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	117917	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
35) Dibromofluoromethane	7.88	113	99977	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
50) Toluene-d8	10.33	98	343118	44.16	ug/l	0.00
Spiked Amount			Recovery	=	88.32%	
62) 4-Bromofluorobenzene	12.62	95	103982	36.99	ug/l	0.00
Spiked Amount			Recovery	=	73.98%	

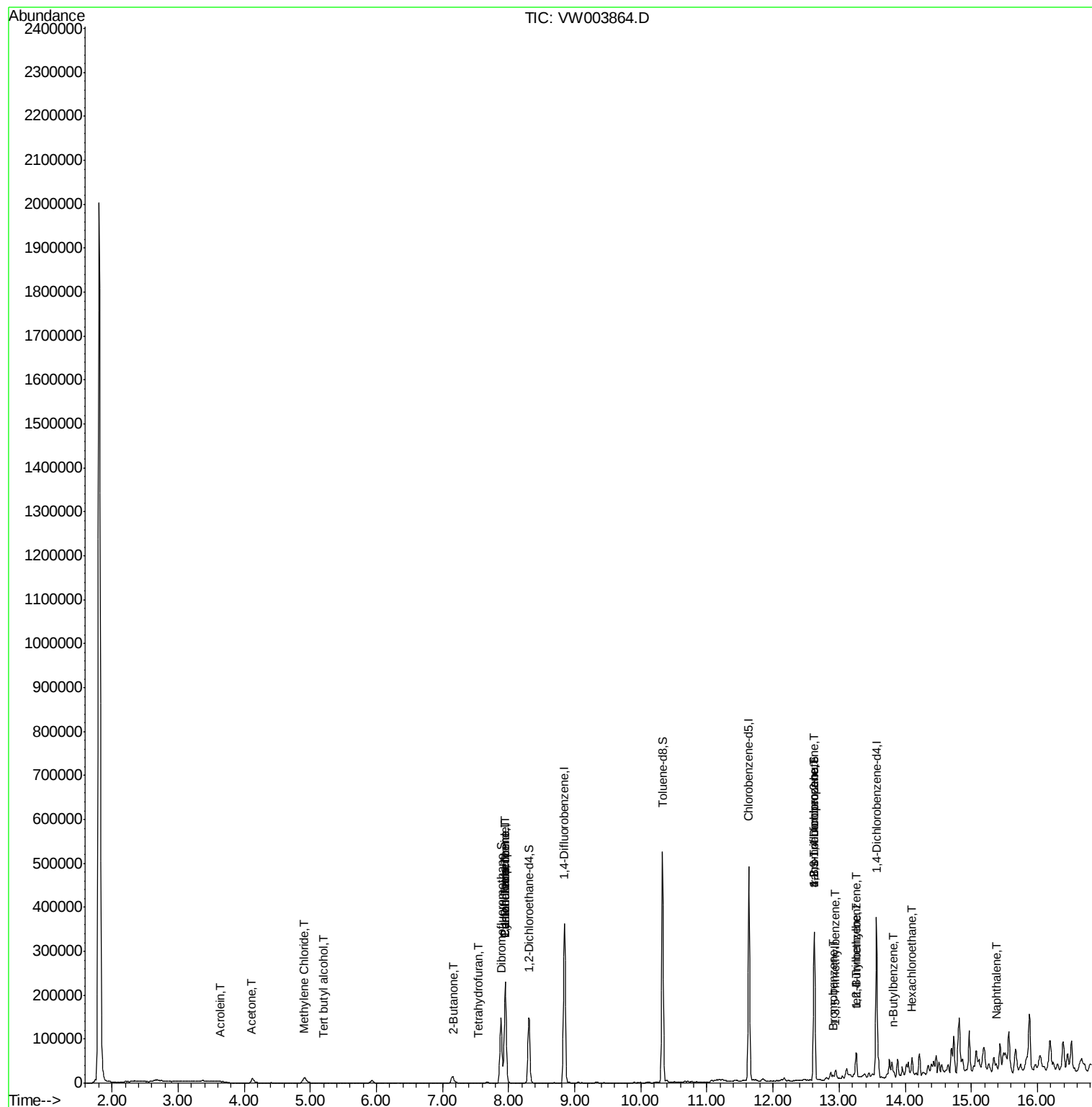
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	227	1.92	ug/l #	70
13) Acrolein	3.64	56	28	4.88	ug/l #	1
16) Acetone	4.12	43	17167	45.42	ug/l #	89
20) Methylene Chloride	4.91	84	9902	1.09	ug/l	93
25) 2-Butanone	7.18	43	2455	4.15	ug/l #	88
29) Tetrahydrofuran	7.55	42	514	1.35	ug/l #	66
31) Cyclohexane	7.95	56	4551	1.43	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	14226	4.62	ug/l #	50
38) Carbon Tetrachloride	7.95	117	16942	5.79	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	56325	62.20	ug/l #	100
77) Bromobenzene	12.91	156	1829	1.18	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.95	105	6216	1.15	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56325	152.16	ug/l #	8
83) tert-Butylbenzene	13.26	119	5170	1.16	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.26	105	31552	5.64	ug/l	98
89) n-Butylbenzene	13.83	91	9163	1.61	ug/l #	70
90) Hexachloroethane	14.10	117	2300	2.06	ug/l #	10
95) Naphthalene	15.38	128	8792	2.57	ug/l #	93

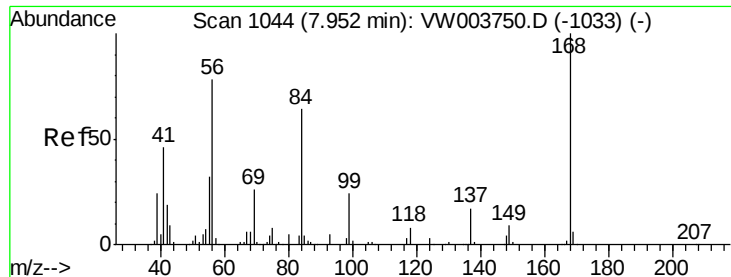
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003864.D

Acq: 11 Jul 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

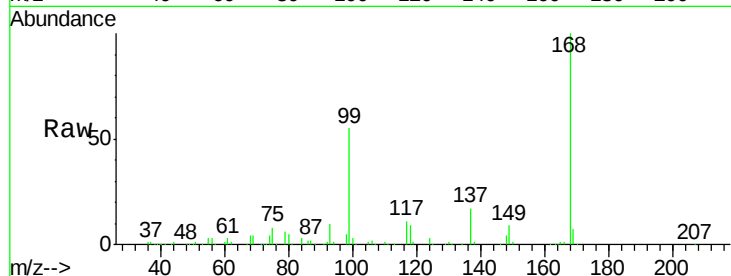
EO-01-071018-C

Tot Ion:168 Resp: 166586

Ion Ratio Lower Upper

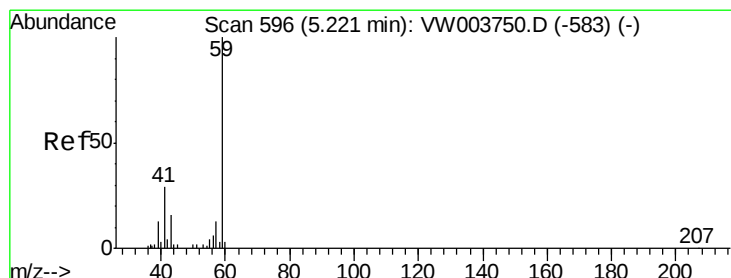
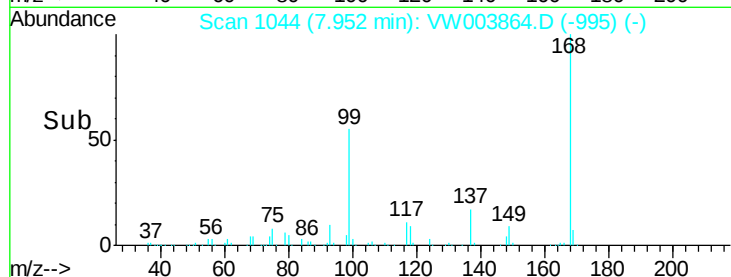
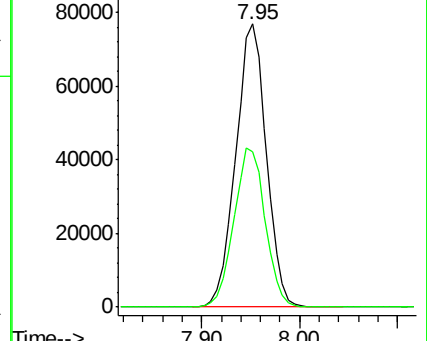
168 100

99 54.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.92 ug/l

RT: 5.20 min Scan# 593

Delta R.T. -0.02 min

Lab File: VW003864.D

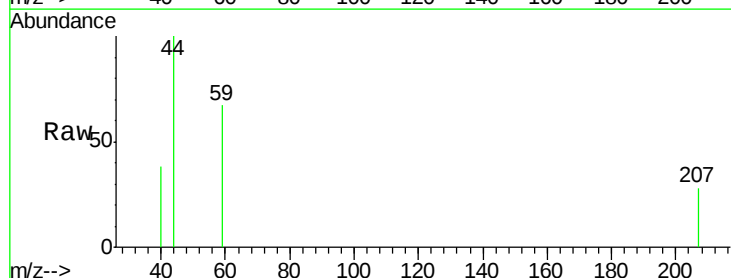
Acq: 11 Jul 2018 10:24

Tgt Ion: 59 Resp: 227

Ion Ratio Lower Upper

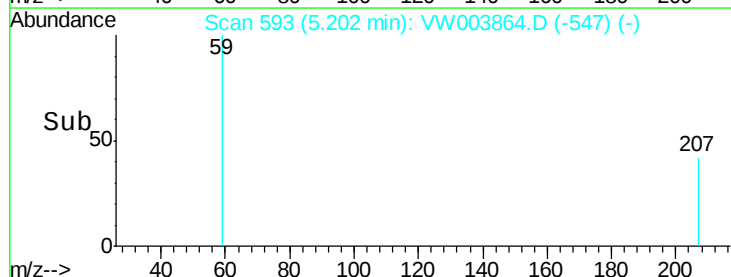
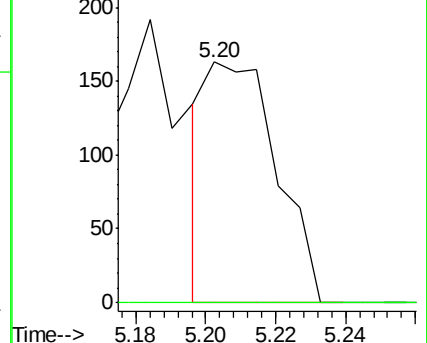
59 100

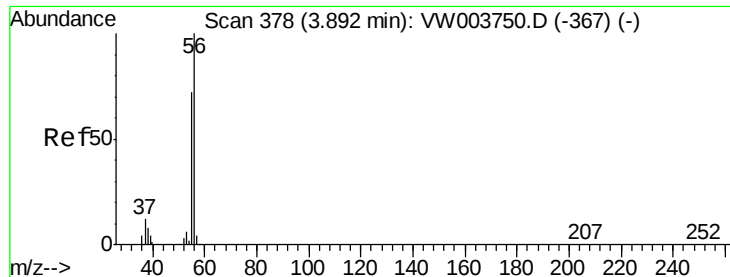
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 4.88 ug/l

RT: 3.64 min Scan# 337

Delta R.T. -0.25 min

Lab File: VW003864.D

Acq: 11 Jul 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

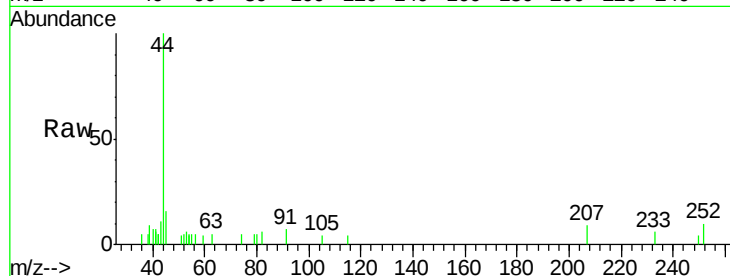
EO-01-071018-C

Tot Ion: 56 Resp: 28

Ion Ratio Lower Upper

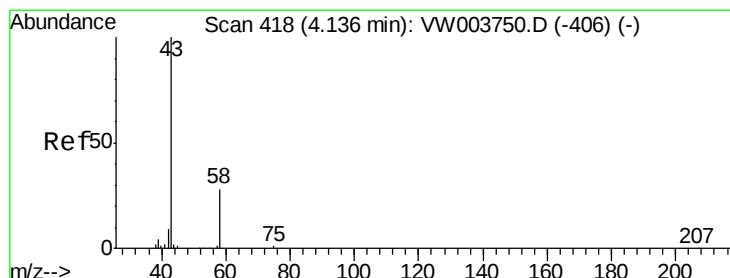
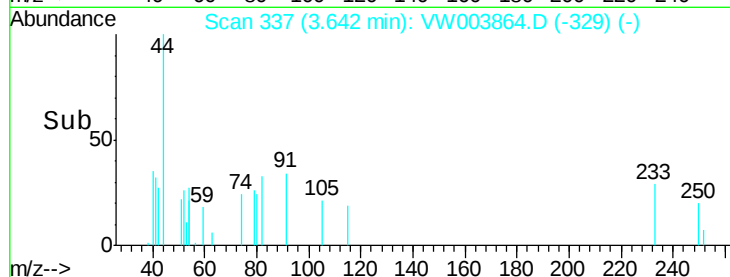
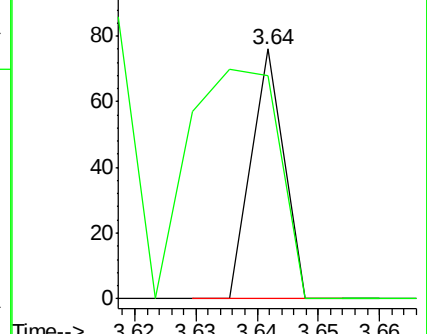
56 100

55 253.6 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 45.42 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.02 min

Lab File: VW003864.D

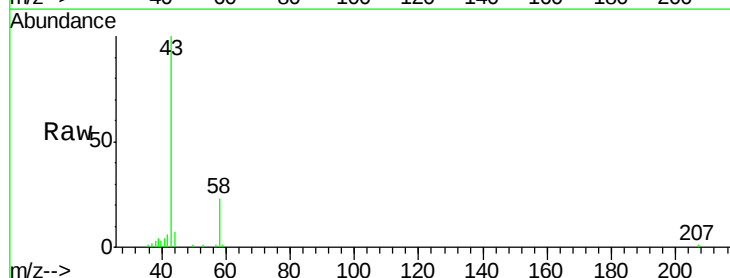
Acq: 11 Jul 2018 10:24

Tgt Ion: 43 Resp: 17167

Ion Ratio Lower Upper

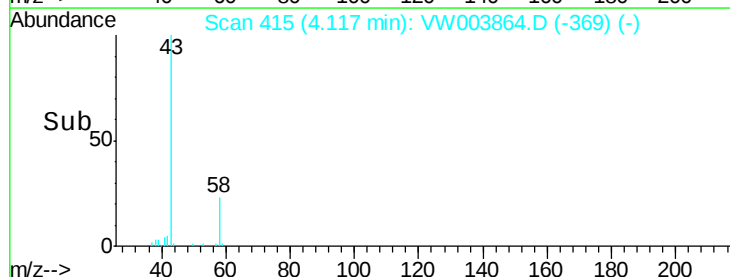
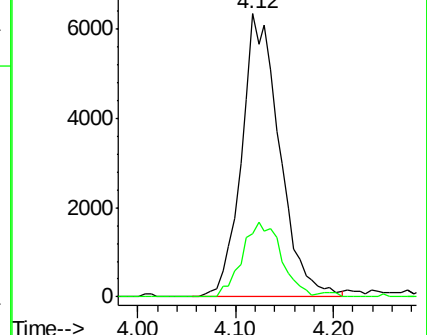
43 100

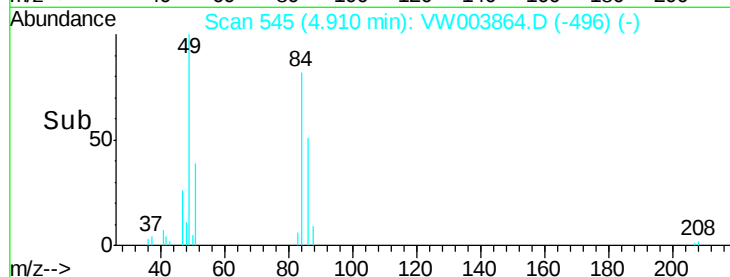
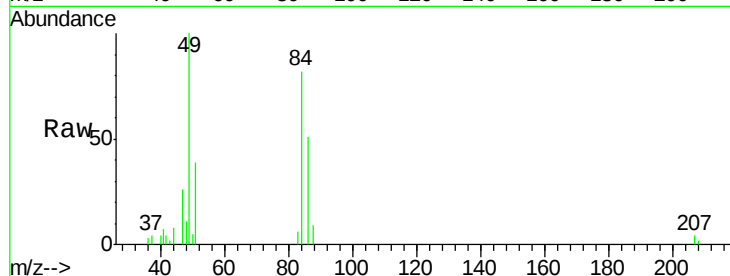
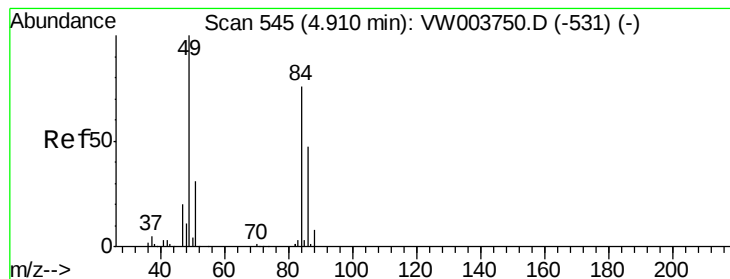
58 22.6 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 1.09 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003864.D

Acq: 11 Jul 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

EO-01-071018-C

Tot Ion: 84 Resp: 9902

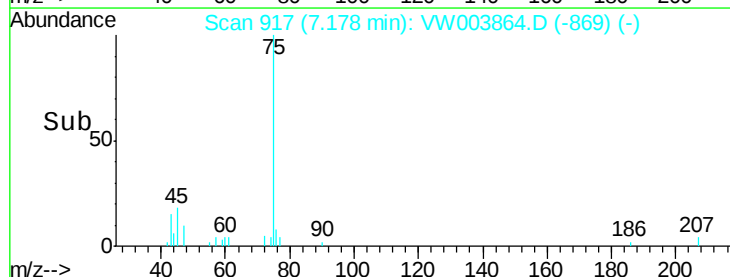
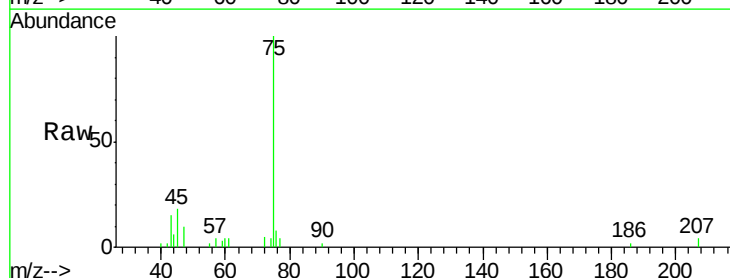
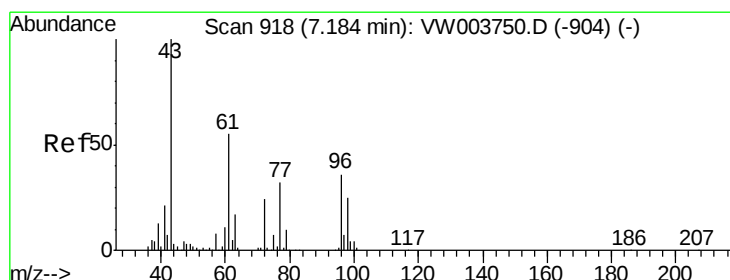
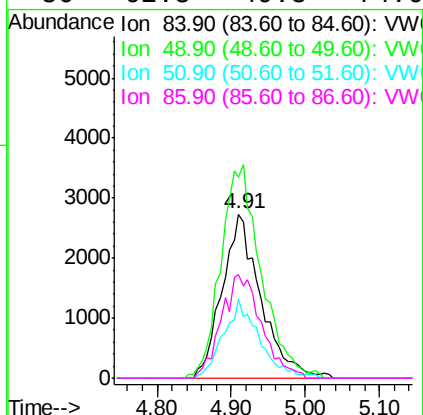
Ion Ratio Lower Upper

84 100

49 122.2 105.1 157.7

51 48.1 32.5 48.7

86 62.8 49.8 74.6



#25

2-Butanone

Concen: 4.15 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW003864.D

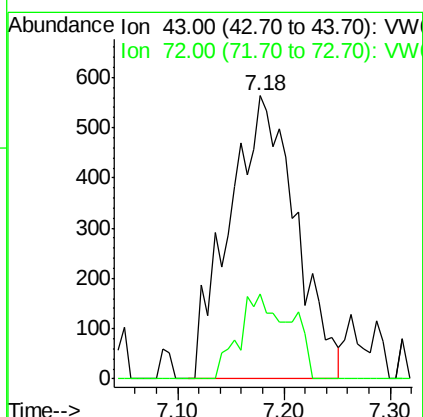
Acq: 11 Jul 2018 10:24

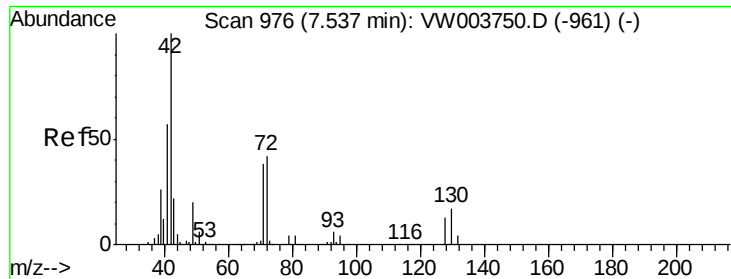
Tgt Ion: 43 Resp: 2455

Ion Ratio Lower Upper

43 100

72 30.0 19.4 29.2#

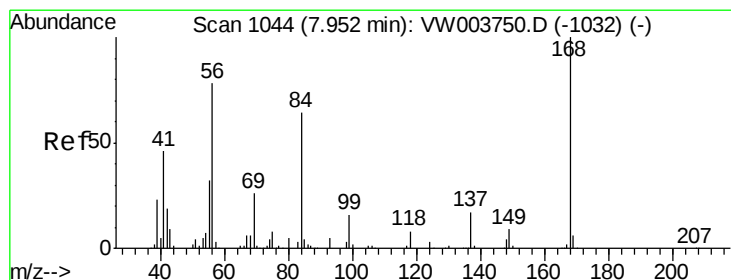
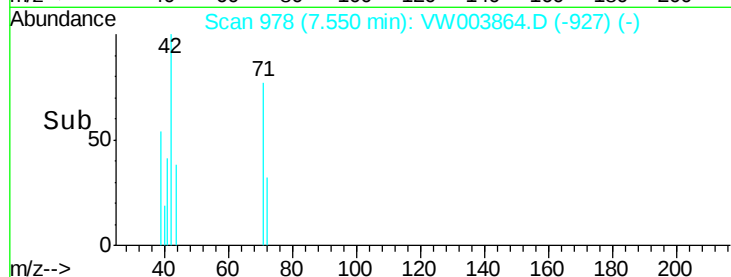
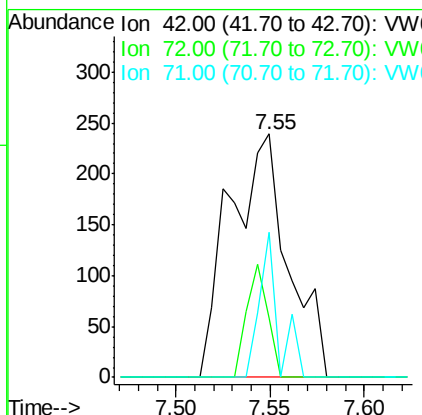
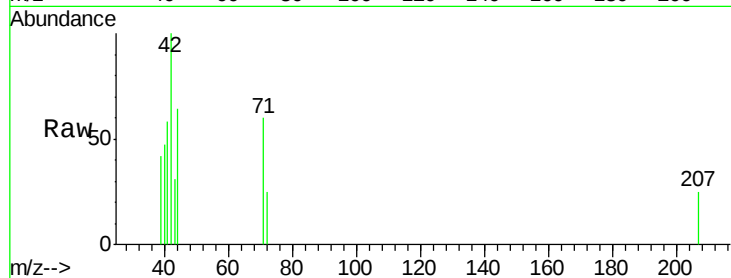




#29
Tetrahydrofuran
Concen: 1.35 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.01 min
Lab File: VW003864.D
Acq: 11 Jul 2018 10:24

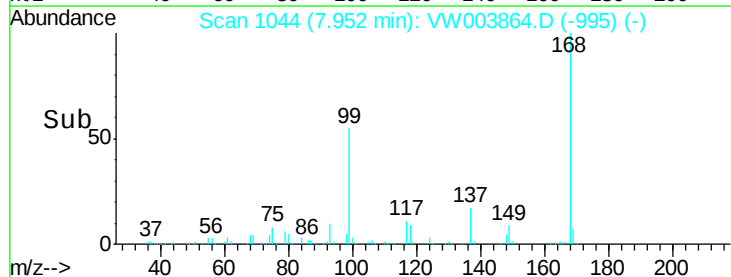
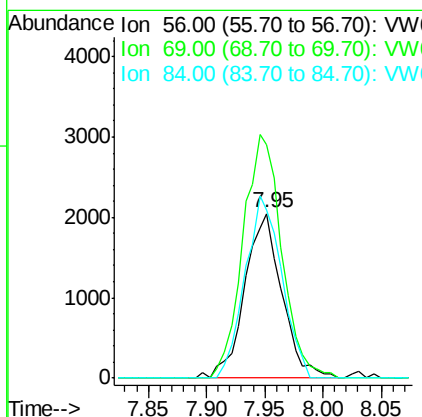
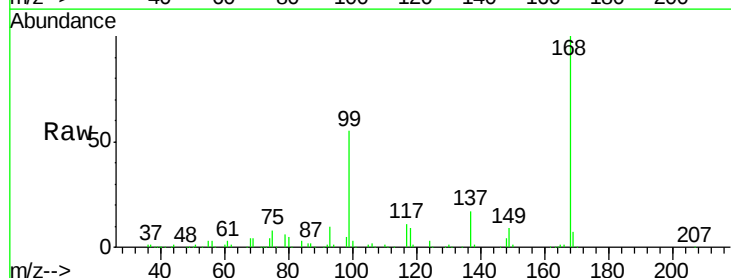
Instrument :
MSVOA_W
ClientSampleId :
EO-01-071018-C

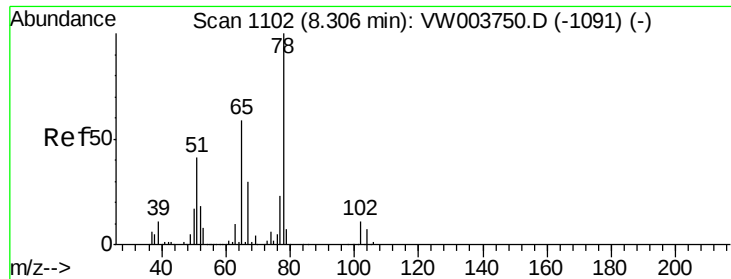
Tot Ion: 42 Resp: 514
Ion Ratio Lower Upper
42 100
72 16.7 31.8 47.8#
71 19.1 30.3 45.5#



#31
Cyclohexane
Concen: 1.43 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003864.D
Acq: 11 Jul 2018 10:24

Tgt Ion: 56 Resp: 4551
Ion Ratio Lower Upper
56 100
69 141.7 26.2 39.4#
84 102.4 65.5 98.3#

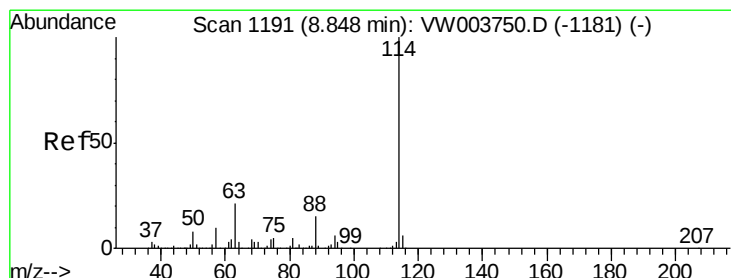
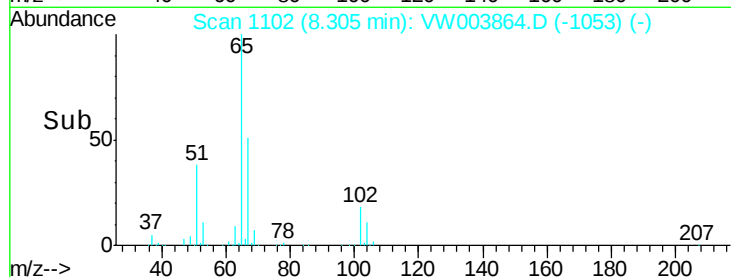
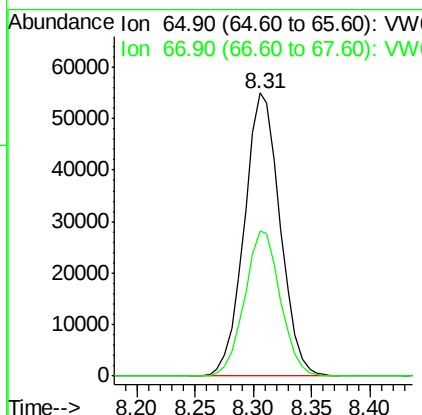
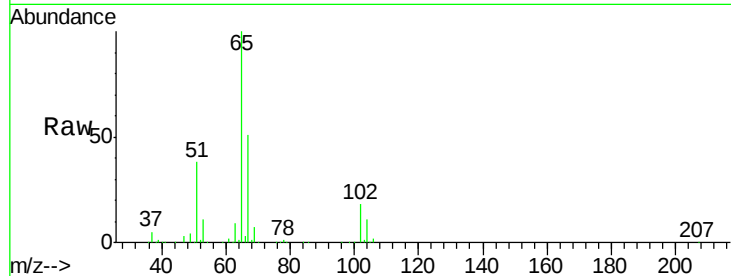




#33
 1,2-Dichloroethane-d4
 Concen: 54.13 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003864.D
 Acq: 11 Jul 2018 10:24

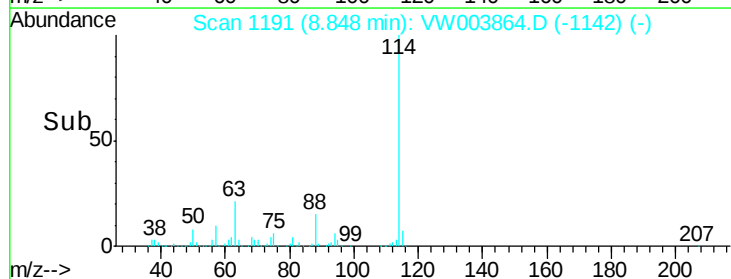
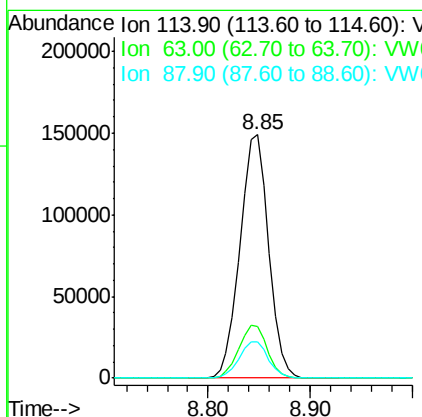
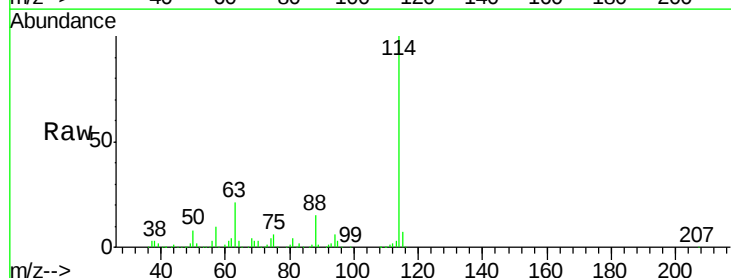
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-071018-C

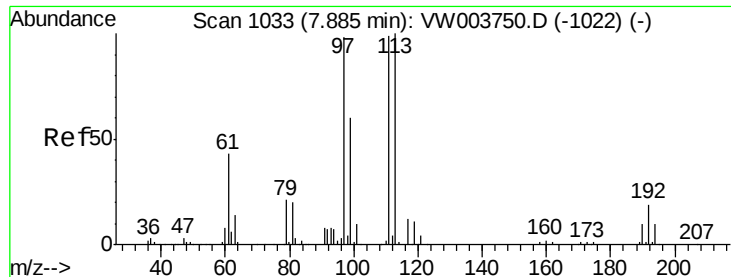
Tot Ion: 65 Resp: 117917
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003864.D
 Acq: 11 Jul 2018 10:24

Tgt Ion: 114 Resp: 290214
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.8
 88 15.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.22 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003864.D

Acq: 11 Jul 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

EO-01-071018-C

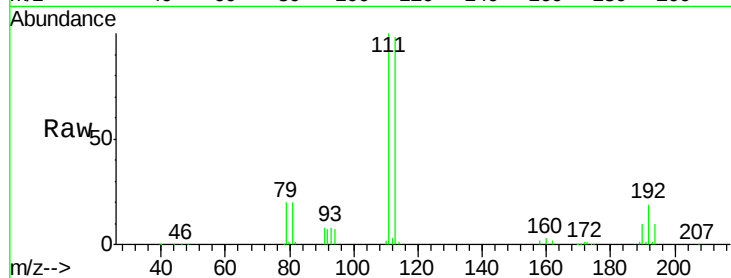
Tot Ion:113 Resp: 99977

Ion Ratio Lower Upper

113 100

111 102.5 81.7 122.5

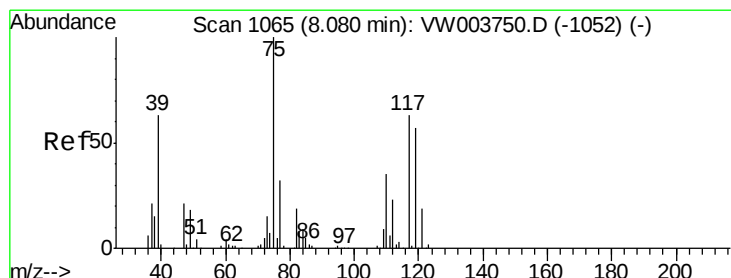
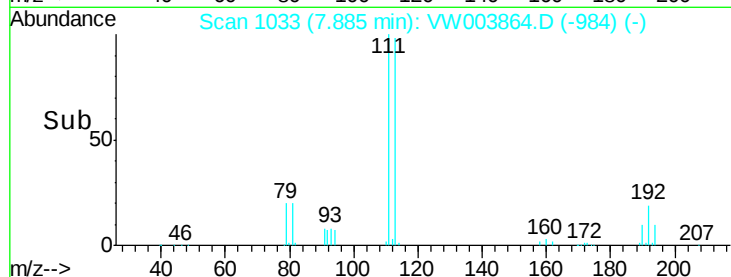
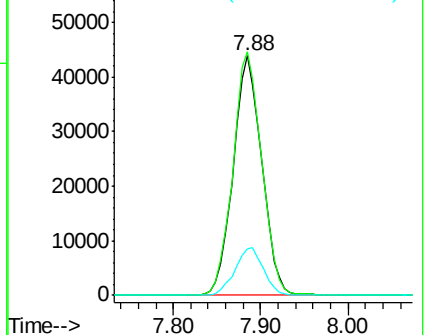
192 19.7 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.62 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003864.D

Acq: 11 Jul 2018 10:24

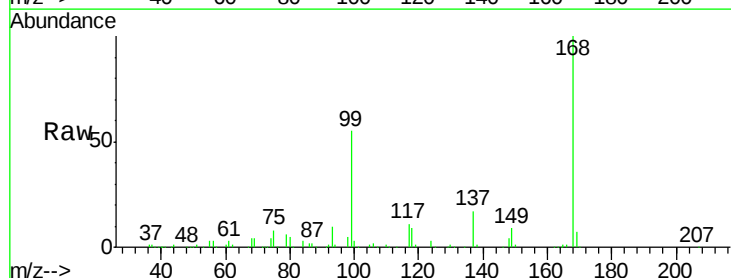
Tgt Ion: 75 Resp: 14226

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.6#

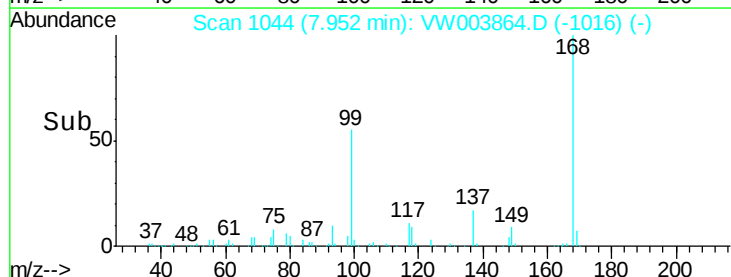
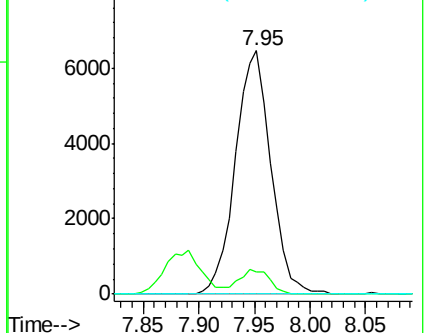
77 0.0 24.8 37.2#

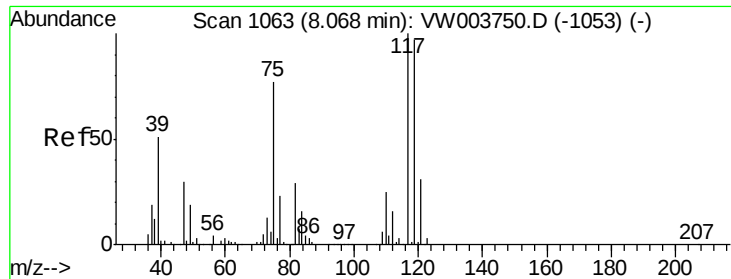


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

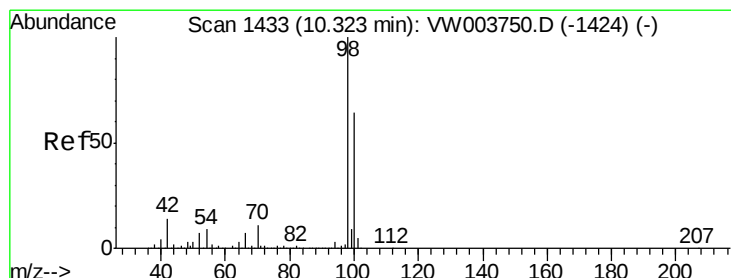
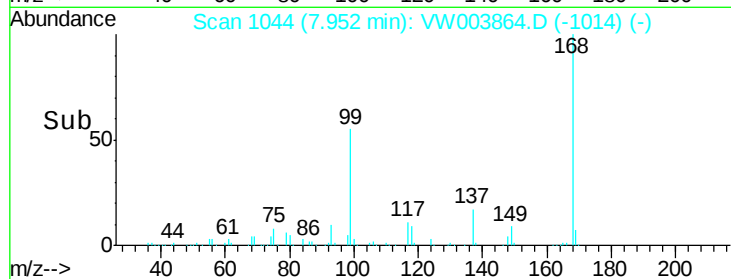
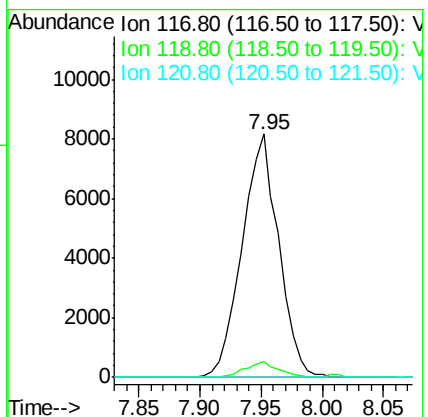
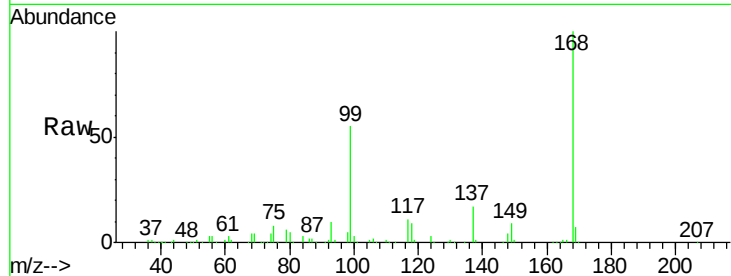




#38
Carbon Tetrachloride
Concen: 5.79 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003864.D
Acq: 11 Jul 2018 10:24

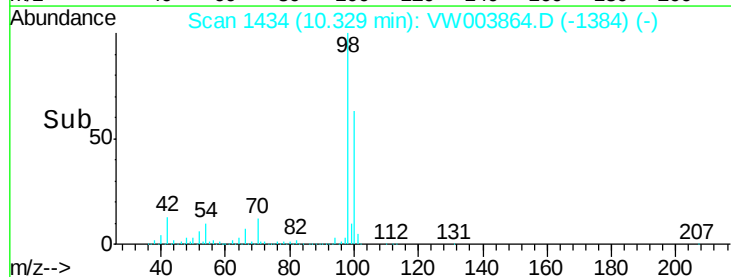
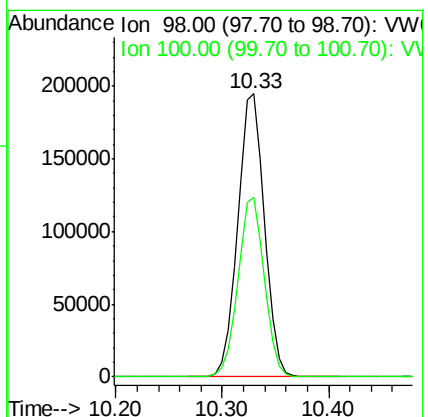
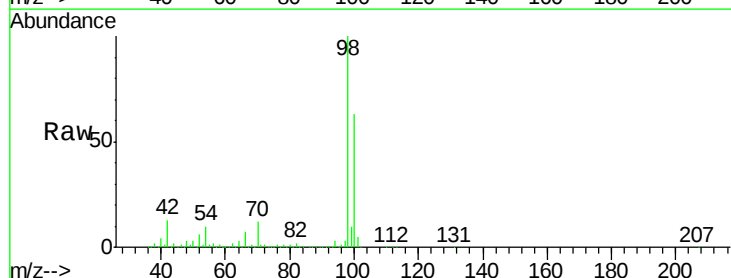
Instrument :
MSVOA_W
ClientSampleId :
EO-01-071018-C

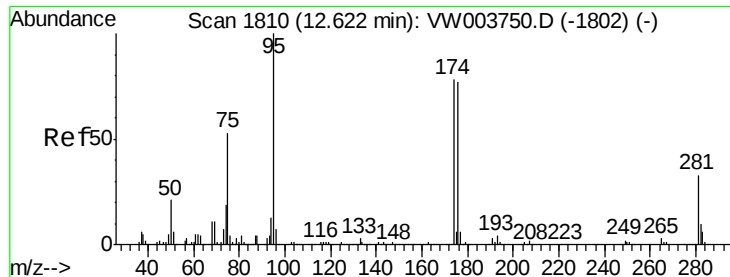
Tot Ion:117 Resp: 16942
Ion Ratio Lower Upper
117 100
119 6.4 77.4 116.2#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 44.16 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003864.D
Acq: 11 Jul 2018 10:24

Tgt Ion: 98 Resp: 343118
Ion Ratio Lower Upper
98 100
100 62.4 50.8 76.2





#62

4-Bromofluorobenzene

Concen: 36.99 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003864.D

Acq: 11 Jul 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

EO-01-071018-C

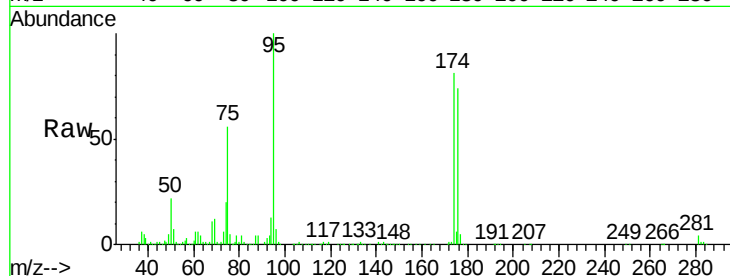
Tot Ion: 95 Resp: 103982

Ion Ratio Lower Upper

95 100

174 81.7 0.0 163.4

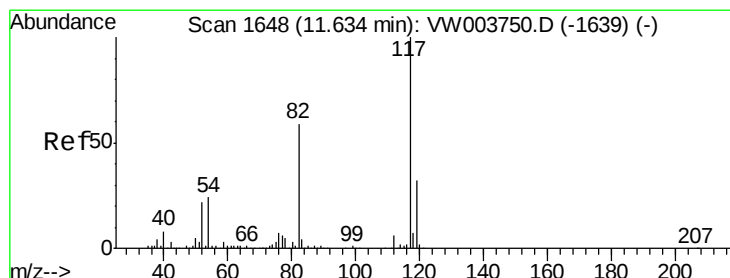
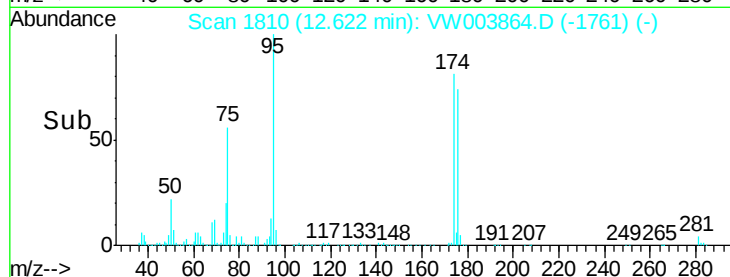
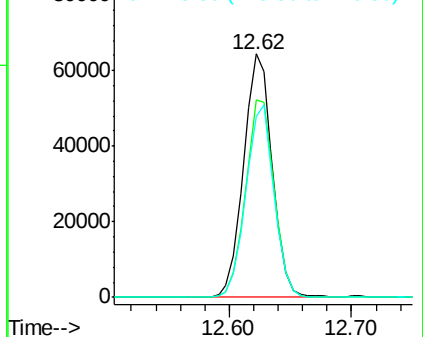
176 77.9 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW003864.D

Acq: 11 Jul 2018 10:24

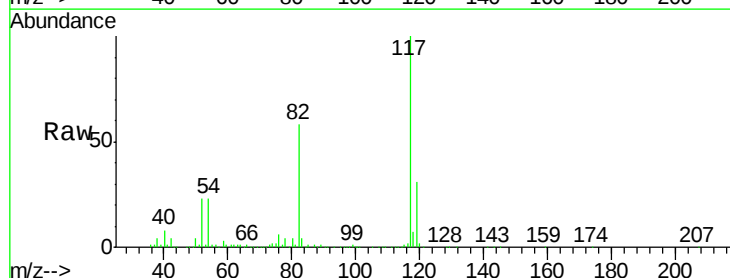
Tgt Ion: 117 Resp: 253045

Ion Ratio Lower Upper

117 100

82 57.7 46.9 70.3

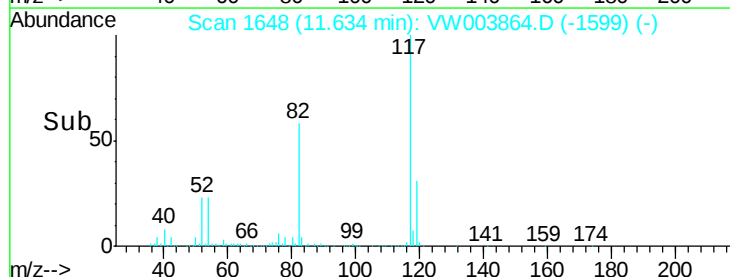
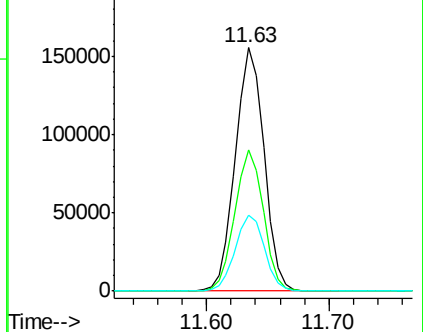
119 31.1 25.5 38.3

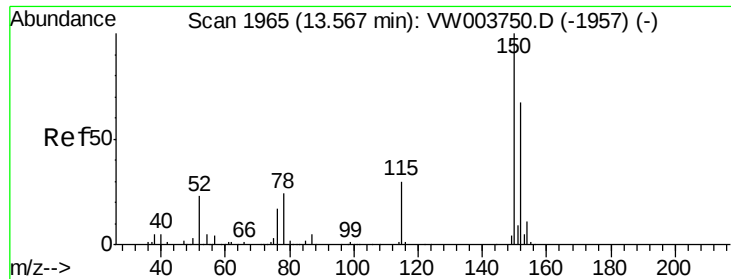


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003864.D

Acq: 11 Jul 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

EO-01-071018-C

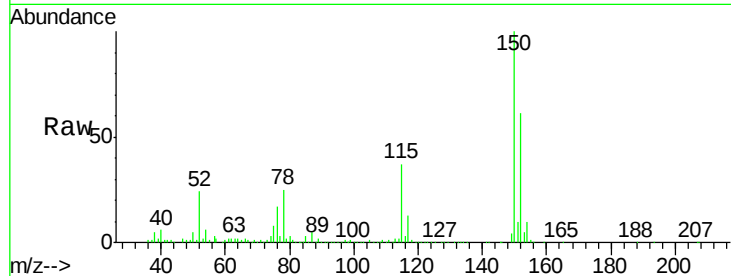
Tot Ion:152 Resp: 92211

Ion Ratio Lower Upper

152 100

115 60.2 28.9 86.8

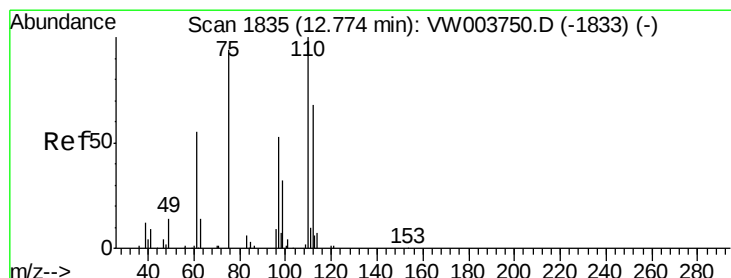
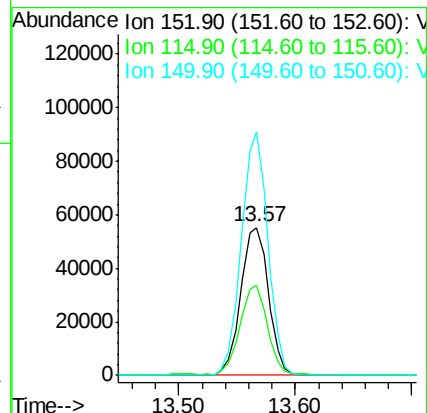
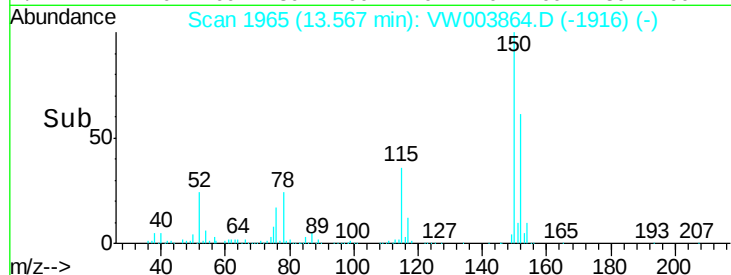
150 157.2 0.0 342.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 62.20 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003864.D

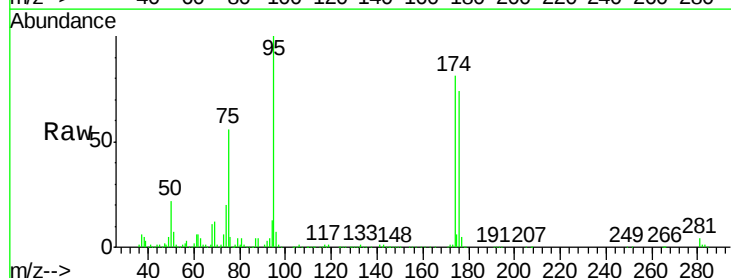
Acq: 11 Jul 2018 10:24

Tgt Ion: 75 Resp: 56325

Ion Ratio Lower Upper

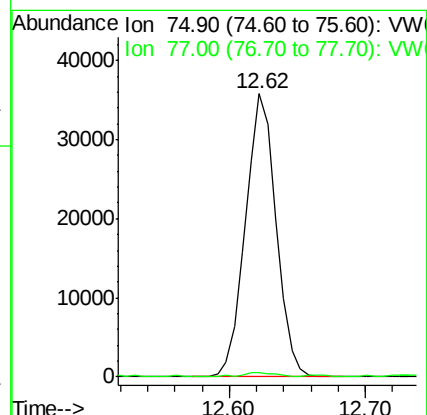
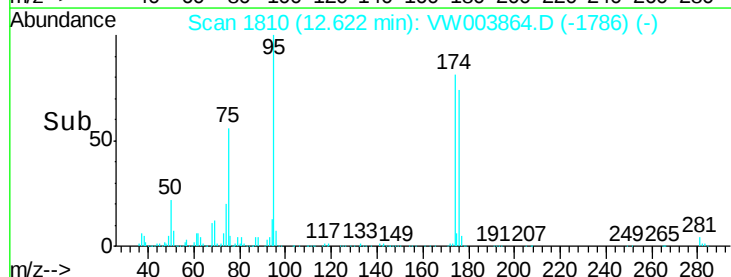
75 100

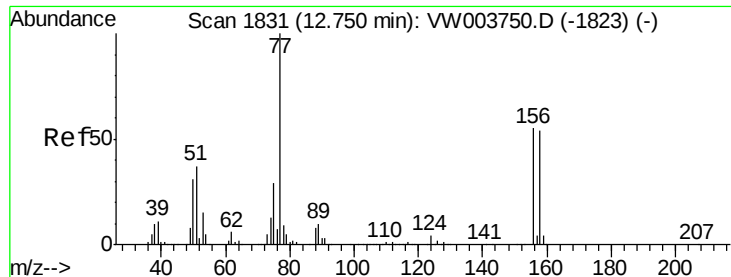
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 1.18 ug/l

RT: 12.91 min Scan# 1858

Delta R.T. 0.16 min

Lab File: VW003864.D

Acq: 11 Jul 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

EO-01-071018-C

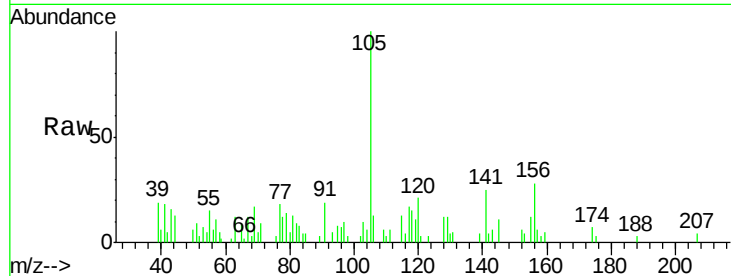
Tot Ion:156 Resp: 1829

Ion Ratio Lower Upper

156 100

77 0.0 98.7 296.0#

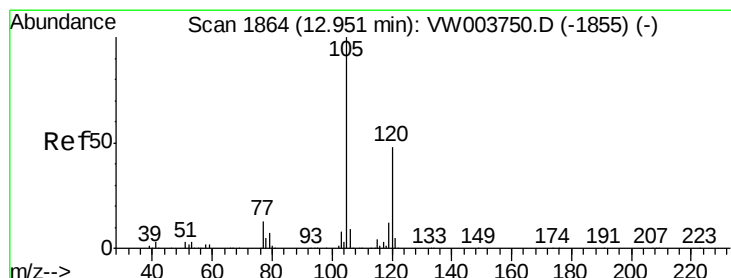
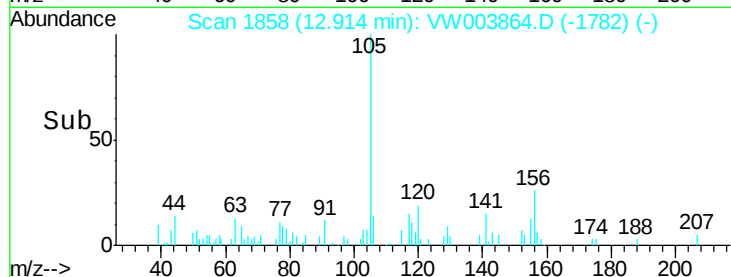
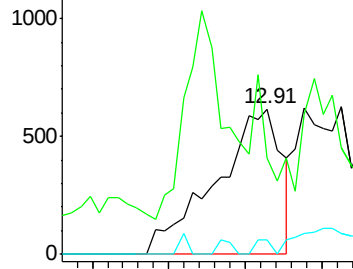
158 2.5 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#80

1,3,5-Trimethylbenzene

Concen: 1.15 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003864.D

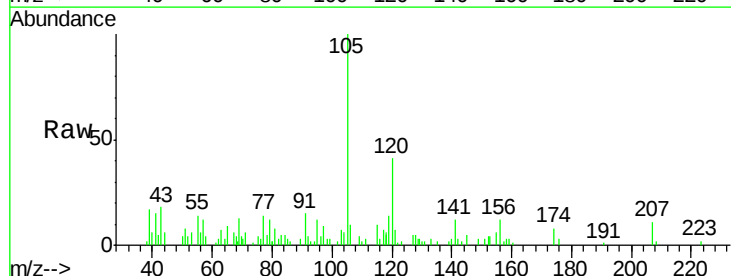
Acq: 11 Jul 2018 10:24

Tgt Ion:105 Resp: 6216

Ion Ratio Lower Upper

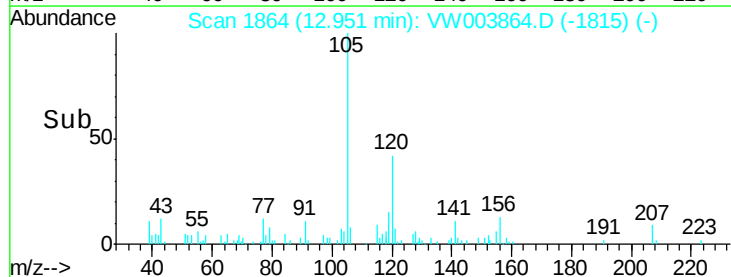
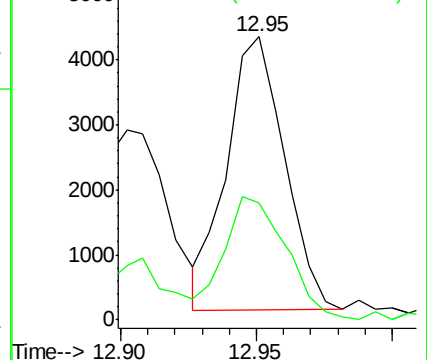
105 100

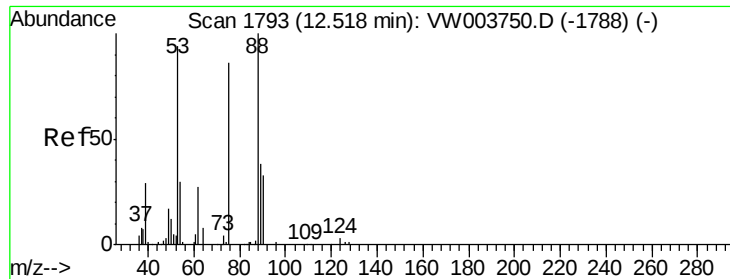
120 48.6 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 152.16 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003864.D

Acq: 11 Jul 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

EO-01-071018-C

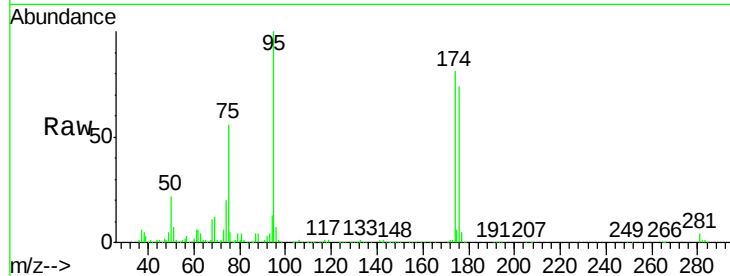
Tot Ion: 75 Resp: 56325

Ion Ratio Lower Upper

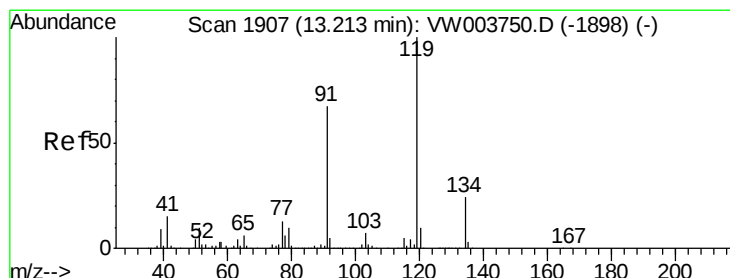
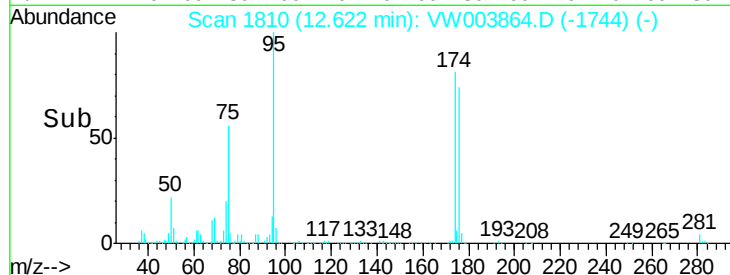
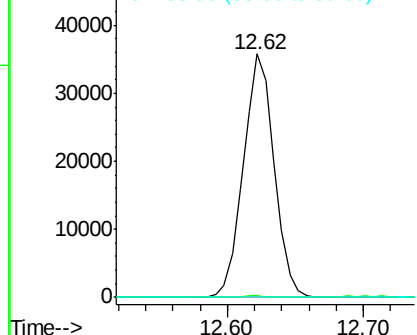
75 100

53 0.6 85.0 127.6#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#83

tert-Butylbenzene

Concen: 1.16 ug/l

RT: 13.26 min Scan# 1914

Delta R.T. 0.04 min

Lab File: VW003864.D

Acq: 11 Jul 2018 10:24

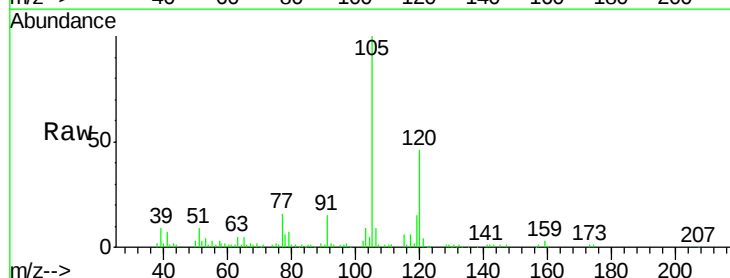
Tgt Ion: 119 Resp: 5170

Ion Ratio Lower Upper

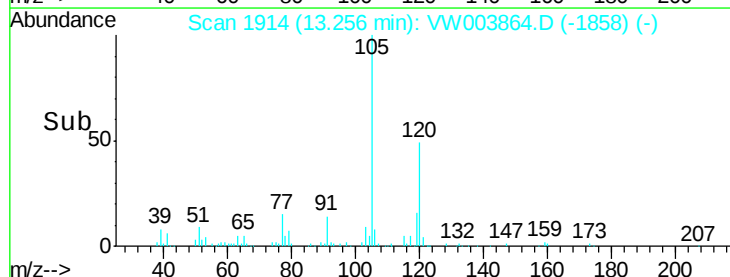
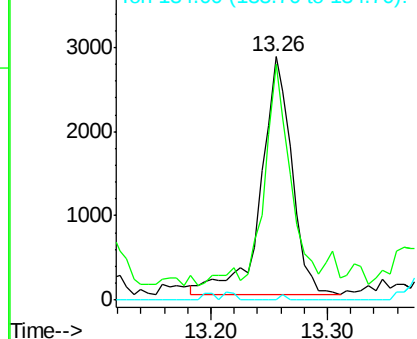
119 100

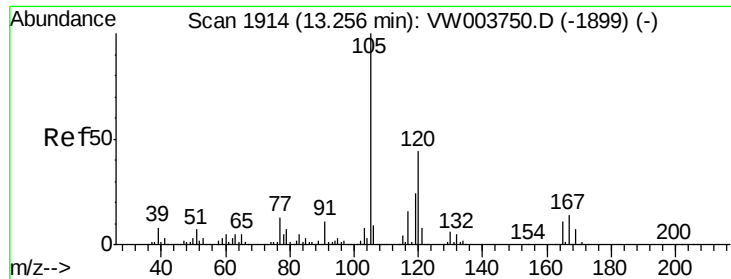
91 81.6 33.0 98.9

134 0.0 12.8 38.4#



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VW
Ion 134.00 (133.70 to 134.70): V

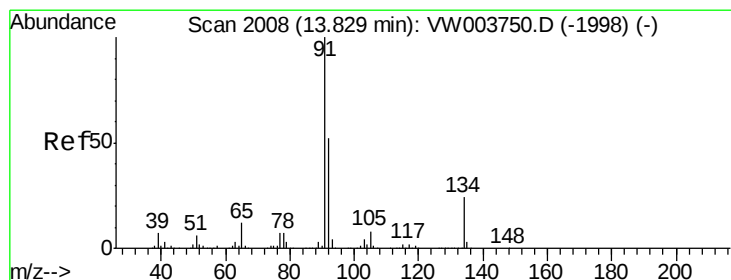
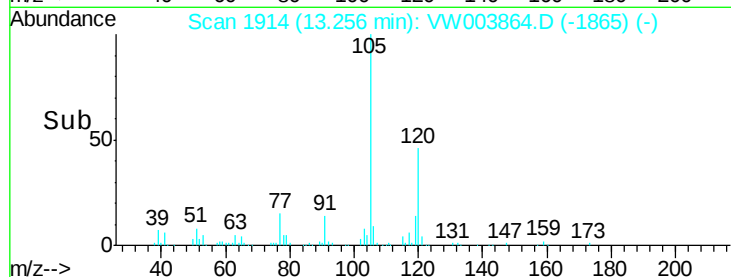
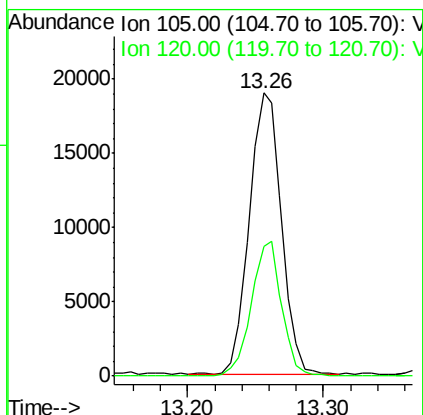
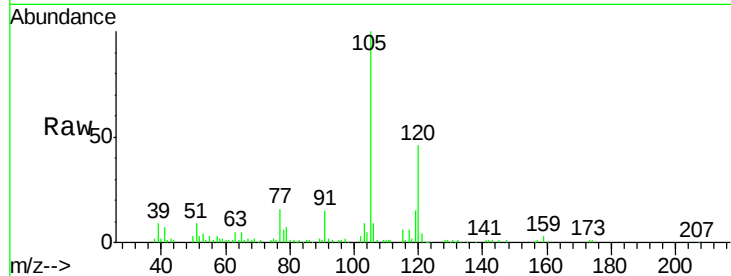




#84
 1,2,4-Trimethylbenzene
 Concen: 5.64 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW003864.D
 Acq: 11 Jul 2018 10:24

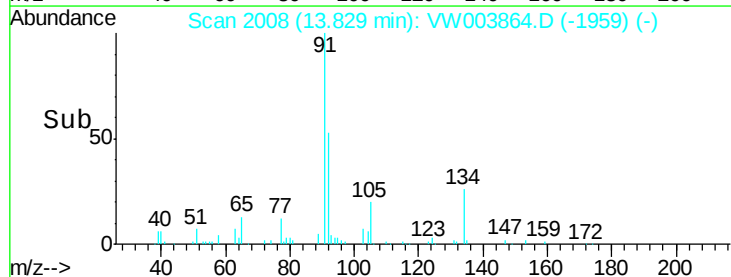
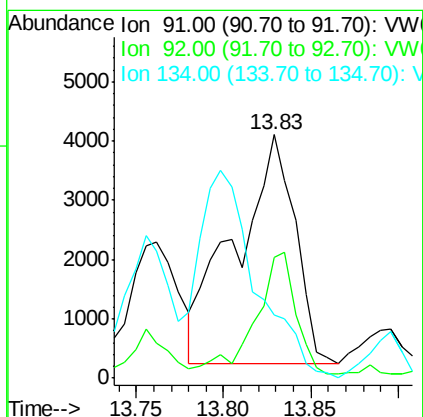
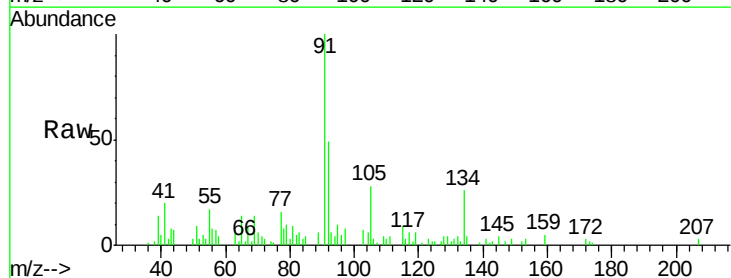
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-071018-C

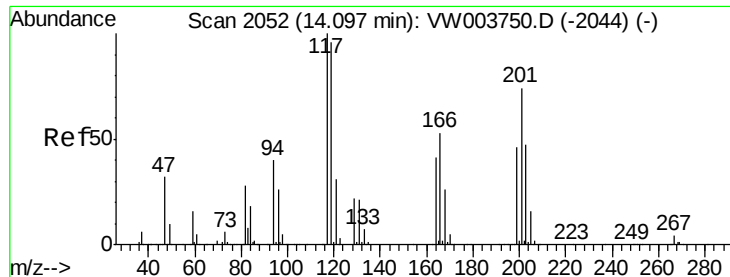
Tot Ion:105 Resp: 31552
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.0 66.0



#89
 n-Butylbenzene
 Concen: 1.61 ug/l
 RT: 13.83 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VW003864.D
 Acq: 11 Jul 2018 10:24

Tgt Ion: 91 Resp: 9163
 Ion Ratio Lower Upper
 91 100
 92 37.9 26.1 78.3
 134 0.0 12.4 37.4#





#90

Hexachloroethane

Concen: 2.06 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.01 min

Lab File: VW003864.D

Acq: 11 Jul 2018 10:24

Instrument :

MSVOA_W

ClientSampleId :

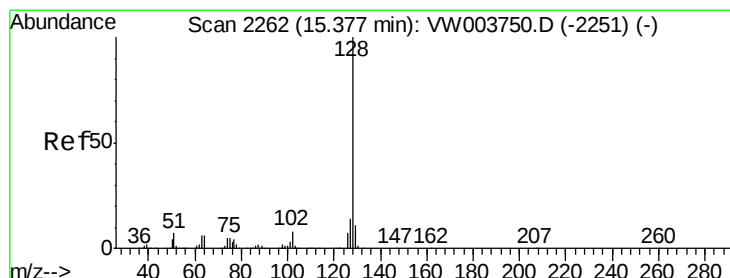
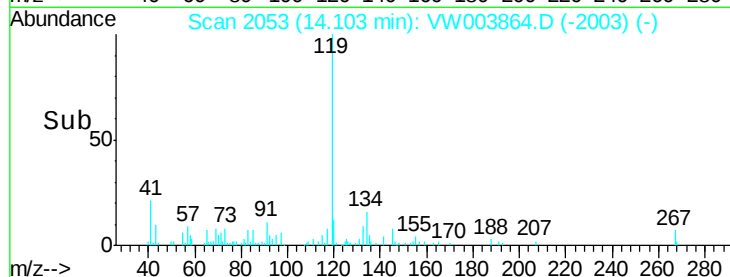
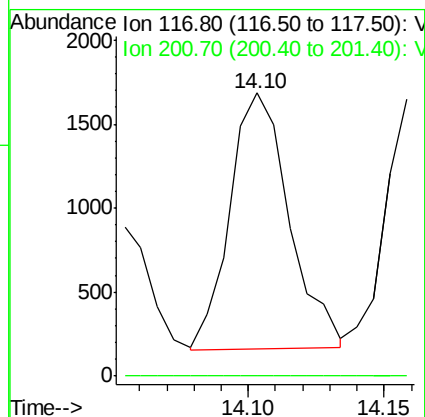
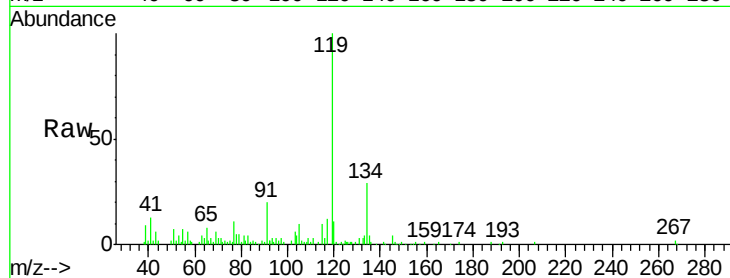
EO-01-071018-C

Tot Ion:117 Resp: 2300

Ion Ratio Lower Upper

117 100

201 0.0 39.2 117.6#



#95

Naphthalene

Concen: 2.57 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003864.D

Acq: 11 Jul 2018 10:24

Tgt Ion:128 Resp: 8792

Ion Ratio Lower Upper

128 100

127 15.7 10.8 16.2

129 7.4 8.6 13.0#

